

COORDINATION CHEMISTRY REVIEWS

CUMULATIVE AUTHORS INDEX

VOLUMES 51 - 100



- Abruna, M.D. 86, 135
 Agarwal, S.K. 68, 101
 Albers, M.O. 53, 227; 69, 127; 79, No. 1-2, 1
 Andersen, P. 94, 47
 Andrews, L.C. 77, 89
 Ansari, M.A. 100, 223
 Archer, R.D. 61, 1
 Ashley, K.R. 51, 225
 Aslanov, L.A. 93, No. 2, 185
 Atwood, J.D. 83, 93
 Bacci, M. 86, 245
 Baer, C.D. 93, No. 1, 1
 Bailar, J.C. 100, 1
 Bailey, C.L. 79, No. 3, 321
 Bailey, M. 77, 69
 Baiocchi, C. 54, 131
 Baird, D. 54, 99
 Bajaj, A.V. 87, 55
 Baker, G.R. 93, No. 2, 155
 Ballhausen, C.J. 100, 29
 Balzani, V. 84, 85; 97, 313
 Banci, L. 100, 67
 Banerjee, P. 91, 1
 Banerjee, R. 68, 145
 Barigilletti, F. 84, 85
 Barker, M.G. 56, 390; 66, 412; 75, 423; 85, 424
 Basolo, F. 79, No. 3, 279; 100, 47
 Belser, P. 84, 85
 Bencini, A. 60, 131
 Bendix, J. 94, 181
 Benelli, C. 80, 131
 Bereman, R. 54, 99
 Berg, D.J. 99, 137
 Bersuker, I.B. 88, 1
 Bertini, I. 100, 67
 Bezer, M. 61, 97
 Bhattacharya, P. 91, 1
 Bhula, R. 91, 89
 Bignozzi, C.A. 97, 299
 Bjerrum, J. 94, 1; 100, 105
 Blough, N.V. 64, 125
 Blower, P.J. 76, 121
 Boca, R. 55, 55
 Boese, W.T. 97, 179
 Bond, A. 54, 23
 Bond, A.M. 93, No. 1, 1
 Bontchev, P.R. 61, 241
 Braunstein, P. 65, 219; 96, 49
 Bresciani-Pahor, N. 63, 1
 Brewer, K.J. 64, 261
 Brownlee, R.T.C. 68, 169
 Brubaker, G.R. 53, 1; 77, 1
 Bruce, M.I. 76, 1
 Buckley, R.I. 65, 167
 Bünzli, J.-C.G. 60, 191
 Buono-Core, G.E. 99, 55
 Burberry, M.S. 97, 47
 Burtzev, M.Y. 93, No. 2, 185
 Busch, D.H. 69, 1; 100, 119
 Buslaev, Yu.A. 82, 9; 93, No. 2, 185

- Byrd, J.E. 51, 125, 141, 155, 181, 209
 Cairns, C.J. 69, 1
 Camaioni-Neto, C.A. 93, No. 1, 1
 Campagna, S. 84, 85
 Carlin, R.L. 65, 141; 79, No. 3, 215
 Caspar, J.V. 97, 225
 Chakravorty, A. 95, No. 2, 239
 Chaloner, P.A. 71, 235; 72, 1; 89, 1
 Chang, I-J. 97, 105
 Charnock, J.M. 80, 225; 81, 101
 Chaudret, B. 86, 191
 Chauhan, B.P.S. 55, 207
 Che, C-M. 97, 93
 Chen, Y.-T. 79, No. 3, 257
 Chiorboli, C. 97, 299
 Chua, C.-P. 51, 155
 Clark, H. C. 55, 151; 79, No. 3, 229
 Clark, R.J.H. 65, 167
 Clark, S.F. 64, 273
 Clarke, M.J. 78, 253
 Coe, J.S. 54, 131
 Collin, J.P. 93, No. 2, 245
 Colton, R. 58, 245; 62, 85, 145; 78, 1, 39; 90, 1, 29
 Connolly, J.S. 64, 273
 Constable, E.C. 52, 1, 53; 57, 229; 58, 1, 53; 62, 37, 131; 71, 303;
 73, 59, 113; 89, 257; 93, No. 2, 205; 98, 251
 Coppens, P. 65, 285
 Corbin, D.R. 97, 225
 Coville, N.J. 53, 227; 69, 127
 Cozak, D. 74, 53
 Crabtree, R.H. 65, 1; 99, 89
 Craig, C.A. 97, 193
 Creutz, C. 64, 247, 321
 Crosby, G.A. 64, 41
 Crumbliss, A.L. 51, 225
 Czernusiewicz, R.S. 100, 541
 Dakternieks, D. 62, 1; 78, 125; 98, 279
 Dalibart, M., 74, 1
 Daniel, C. 97, 141
 Davidson, G. 56, 113; 66, 119; 75, 128; 85, 121
 Davis, R. 67, 109
 Dawson, J.H. 60, 1
 Day, P. 100, 155
 DeArmond, M.K. 64, 65; 97, 261
 Deem, M.L., 74, 101
 Deger, S. 83, 115
 Delavaux, B. 86, 191
 Derouault, J., 74, 1
 Des Enfants, R.E. 97, 261
 DiBenedetto, J. 64, 361
 Dilworth, J.R. 78, 121
 Dodsworth, E.S. 97, 271
 Dooly, R. 51, 125
 Dooley, D.M. 60, 1
 Dove, M.F.A. 56, 269, 448, 471; 66, 290, 488, 504; 75, 297, 505, 522; 85,
 289, 504, 523
 Drago, R.S. 79, No. 3, 321
 DuBois, D.L. 64, 273
 Dunaj-Jurco, M. 63, 1
 Eaton, S.S. 83, 29

- Eaton, G.R. 83, 29
 Efimov, O.N. 99, 15
 Eisenberg, R. 97, 47
 Ellis, A.B. 97, 209
 Endicott, J.F. 64, 293; 77, 1; 97, 65
 Enemark, J.H. 88, 169
 Evans, D.W. 93, No. 2, 155
 Fanchiang, Y.-T. 51, 141; 68, 131
 Farver, O. 94, 17
 Fay, R.C. 52, 285; 71, 113; 80, 131
 Fereday, R. 81, 51
 Ferguson, J. 64, 21
 Finke, R.G. 54, 1
 Forcolin, M.I. 63, 1
 Ford, P.C. 64, 381; 97, 35
 Frank, A.J. 97, 193
 Foulds, G. 80, 1; 98, 1
 Fredericks, J. 51, 223
 Friedman, H.L. 51, 111
 Fronaeus, S. 88, 203
 Fryzuk, M.D. 95 No. 1, 1; 99, 137
 Galamb, V. 53, 37; 59, 203
 Garaj, J. 83, 1
 Garces, F.O. 97, 193
 Gatteschi, D. 60, 131
 Gerloch, M. 99, 117
 Ghosh, B.K. 95 No. 2, 239
 Ghosh, M.C. 91, 1
 Giuliano, C.R. 51, 243
 Goldman, A.S. 97, 179
 Goldman, M.E. 97, 179
 Gomes Carneiro, T.M. 96, 49
 Goodgame, M. 79, No. 1-2, 97
 Goodwin, K.V. 64, 83
 Grätzel, M. 64, 225; 69, 57
 Gray, H.B. 100, 169
 Guarr, T. 64, 113; 68, 1
 Guillard, R. 65, 87
 Güdel, H.U. 88, 69
 Gütlich, P. 97, 1
 Haddad, T.S. 99, 137
 Haim, A. 51, 101
 Haiduc, I. 74, 127
 Haight, G.P. Jr. 79, No. 3, 293
 Hampden-Smith, M.J. 79, No. 3, 229
 Hanack, M. 83, 115
 Hanck, K.W. 64, 65
 Hargittai, M. 91, 35
 Harmon, J.C. 51, 225
 Harrison, P.G. 56, 187; 66, 190; 75, 200; 85, 193
 Hartley, F.R. 67, 1
 Harvey, P.D. 76, 237
 Hathaway, B.J. 52, 87
 Hauser, A. 97, 1
 Hay, R.W. 57, 1; 71, 37
 Henly, T.J. 93, No. 2, 269
 Hennig, H. 61, 1
 Herren, F. 64, 21
 Highland, R.G. 64, 41
 Hill, W.E. 55, 31

- Hiraga, W. 97, 167
 Hiraga, T. 97, 81
 Hitam, R.B. 55, 1
 Hlatky, G.G. 65, 1
 Ho, P.S. 64, 125
 Hobson, R.J. 57, 279
 Hoffman, B.M. 64, 125
 Hoffman, M.Z. 64, 175
 Hoggard, P.E., 70, 85
 Holm, R.H. 100, 183
 Honda, K., 64, 207
 Hong, H-G. 97, 237
 Housecroft, C.E. 90, 111; 98, 123
 Howe, N. 77, 89
 Hubberstey, P. 56, 1,78; 66, 1,93; 75, 100; 85, 1,86
 Huber, F. 95 No. 1, 109
 Hunsberger, L.R. 97, 209
 Hush, N.S. 64, 135
 Ibers, J.A. 100, 223
 Ichimura, K. 97, 167
 Indelli, M.T. 97, 299
 iSalvio, F. 58, 87
 Iwai, J. 64, 1
 Jain, V.K. 55, 151
 Jakubovic, D.A. 79, No. 1-2, 97
 Jamieson, M.A. 58, 87; 73, 175; 78, 147; 90, 243; 93, No. 1, 87
 Johnson, D.W. 53, 1
 Juranic, N. 96, 253
 Juris, A. 84, 85
 Kaim, W. 76, 187
 Kaizu, Y. 64, 53
 Kalyanasundaram, K. 69, 57
 Kato, M. 92, 45
 Kauffmann, G.B. 63, 127
 Kawaguchi, S. 70, 51
 Keene, F.R. 64, 247
 Keeney, M.E. 59, 141
 Kelly, P.F. 65, 115
 Kershner, D.L. 79, 279
 Kido, H. 100, 427
 Kim, H.-B. 97, 81
 Kim, Y.I. 97, 237
 Kirchhoff, J.R. 64, 83
 Kirchner, R.M. 77, 89
 Kitamura, N. 97, 81
 Kobayashi, N. 64, 53
 Kobayashi, M. 64, 207
 Kobayashi, T. 64, 1; 97, 167
 Koizumi, Y. 92, 29
 Kolditz, L. 82, 9
 Kotowski, M. 93, No. 1, 19
 Kozik, M. 97, 23
 Krausz, E.R. 64, 21
 Kravchenko, E.A. 82, 9; 93, No. 2, 185
 Krueger, J.S. 97, 237
 Kulawiec, R.J. 99, 89
 Kunkely, M. 64, 159; 97, 285
 Kutal, C. 64, 191; 99, 213
 Kyle, K.R. 97, 35
 Laguna, A. 70, 1

- Lange, A. 83, 115
 Lappert, M.F. 100, 267
 Larkworthy, L.F. 57, 189
 Lavallee, D.K. 61, 55
 Lecomte, C. 65, 87
 Lemoine, P. 83, 169
 Lessard, R.B. 77, 1
 Levason, W. 76, 45
 Li, H. 99, 55
 Li, X.-Y. 100, 541
 Liang, N. 64, 125
 Lingafelter, E.C. 77, 89
 Lippard, S.J. 100, 293
 Lobana, T.S. 63, 161
 Luchinat, C. 100, 67
 Luh, T.-Y. 60, 255
 Machida, K. 64, 207
 MacQueen, D.B. 97, 249
 Maeder, M. 64, 21
 Maguire, J.A. 97, 179
 Mahmoud, K.A. 55, 1
 Mallouk, T.E. 97, 237
 Mandal, K. 64, 175
 Mann, T.F. 93, No. 1, 1
 Manning, A.R. 51, 41
 Mao, F. 97, 119
 Marciniak, B. 99, 55
 Margoliash, E. 64, 125
 Martell, A.E. 100, 323
 Martin, R.L. 54, 23
 Marko, L. 53, 37
 Marzilli, L.G. 63, 1
 Matsuda, Y. 92, 157
 Matt, D. 96, 49
 Maurya, M.R. 95 No. 2, 183
 Mayer, B.J. 54, 1
 Mayer, J.E. 97, 237
 Mazzocchin, G.A. 77, 165
 McCarthy, P.J. 88, 69
 McCormick, B.J. 54, 99
 McAuliffe, C.A. 55, 31
 McGourty, J.L. 64, 125
 McGuire, M. 64, 113
 McLendon, G. 64, 113; 68, 1
 McMillin, D.R. 64, 83
 Mealli, C. 77, 89
 Mehrotra, R.C. 55, 207; 68, 101
 Melnik, M. 65, 49; 70, 157; 74, 53; 77, 275; 83, 1
 Mentasti, E. 54, 131
 Minahan, D.M.A. 55, 31
 Minelli, M. 68, 169; 81, 1
 Mitewa, M. 61, 241
 Mishra, S.B.S. 59, 239
 Moggi, L. 97, 313
 Monsted, L. 94, 109
 Monsted, O. 94, 109
 Montgomery, C.G. 95 No. 1, 1
 Moss, J.R. 60, 171
 Motekaitis, R.J. 100, 323
 Moulding, R.P. 52, 183

- Murakami, Y. 92, 157
 Murphy, W.R. 64, 261
 Myrick, M.L. 97, 261
 Nagasawa, A. 100, 427
 Nakamoto, K. 100, 363
 Nekipelov, V.M. 61, 165
 Newcome, G.R. 93, No. 2, 155
 Nocera, D.G. 97, 105
 Noda, H. 64, 1
 Nonoyama, K. 92, 85
 O'Brien, P. 58, 169
 O'Connor, C.J. 84, 1
 O'Connor, M.J. 68, 169
 Ohki, Y. 92, 29
 Ohno, T. 64, 311
 Ohtani, H. 64, 1
 Ojima, H. 92, 85
 Okawa, H. 92, 1
 Okura, I. 68, 53
 Omae, I.I. 51, 1; 53, 261; 83, 137
 Ondrejovic, G. 83, 1
 Orrell, K.G. 96, 1
 Osman, A.H. 64, 159
 Osseo-Asare, K. 59, 141
 Osvath, P. 91, 89
 Ouchi, A. 92, 29
 Owens, J.W. 84, 1
 Padhye, S. 63, 127
 Page, E.M. 57, 237; 81, 173
 Palacio, F. 65, 141
 Palke, W.E. 97, 35
 Palmans, R. 97, 193
 Palyi, G. 53, 37; 59, 203
 Pandey, K.K. 51, 69
 Parish, R.V. 70, 157
 Partigianoni, C.M. 97, 105
 Paukner, A. 97, 285
 Pearson, R.G. 100, 403
 Pecht, I. 94, 17
 Pelikan, P. 55, 55
 Pelizzetti, E. 64, 225; 69, 57; 73, 175; 78, 147; 90, 243
 Perkovic, M.W. 97, 65
 Petersen, J.D. 64, 261; 97, 249
 Peterson-Kennedy, S.E. 64, 125
 Pettit, L.D. 61, 97
 Piccioli, M. 100, 67
 Pittman, R. 97, 261
 Po, H.N. 51, 155, 181, 209
 Podbielski, L. 78, 253
 Poilblanc, R. 86, 191
 Poonia, N.S. 87, 55
 Prasad, D.R. 64, 175
 Radanovic, D.J. 54, 159
 Ramamurthy, V. 97, 225
 Ramasami, T. 77, 1
 Rampi, M.A. 97, 299
 Randaccio, L. 63, 1
 Raper, E.S. 61, 115
 Reedijk, J. 59, 1
 Rehorek, D. 61, 1

- Rest, A.J. 55, 1
 Richardson, D.E. 60, 107; 93, No. 1, 59
 Robinson, D.J. 69, 127; 79, No. 1-2, 1
 Rong, D. 97, 237
 Rose, N.J. 77, 89
 Rowe, R.S. 100, 267
 Ruminski, R. 64, 261
 Ryan, C. 57, 155
 Ryan, T.A. 57, 75, 155
 Ryu, C.K. 77, 1; 97, 65
 Sahni, S.K. 59, 1
 Sahai, R. 64, 261
 Saito, K. 100, 427
 Sappa, E. 65, 219
 Sarkar, S.K. 59, 239
 Sauvage, J.P. 93, No. 2, 245
 Saxena, A.K. 95 No. 1, 109
 Scandola, F. 97, 299
 Schäffer, C.E. 94, 181
 Schiraldi, D.A. 54, 1
 Schroder, M. 71, 139
 Schwartz, W. 51, 243
 Schubert, U. 55, 261
 Scott, L.G. 60, 171
 Seddon, E.A. 67, 243
 Serpone, N. 57, 301; 58, 87; 64, 225; 73, 175; 78, 147; 90, 243;
 93, No. 1, 87
 Sharpe, P. 93, No. 1, 59
 Sharrock, P. 65, 49
 Shikama, K. 83, 73
 Sigel, H. 100, 453
 Silaghi-Dumitrescu, I. 74, 127
 Simolo, K. 64, 113
 Singh, Y.P. 68, 101
 Singleton, E. 79, No. 1-2, 1
 Skibsted, L.H. 64, 343; 94, 151
 Skorobogaty, A. 53, 55
 Smart, J.C. 64, 273
 Smith, D.C. 100, 169
 Smith, T.D. 53, 55
 Smith, W.E. 67, 297, 311
 Sowerby, D.B. 56, 269; 66, 290; 75, 297; 85, 289
 Spicer, M.D. 76, 45
 Spiro, T.G. 100, 541
 Stanbury, D.M. 51, 155
 Stavrov, S.S. 88, 1
 Steel, P.J. 93, No. 2, 205
 Stephan, D.W. 95 No. 1, 41
 Stephenson, L. 100, 119
 Stiegman, A.E. 63, 217
 Strauch, S. 64, 113
 Strelets, V.V. 99, 15
 Summers, M.F. 63, 1; 86, 43
 Sundquist, W.I. 100, 293
 Sutin, N. 64, 247, 321; 97, 23
 Sutoris, C.J. 64, 125
 Suzuki, H. 64, 207
 Suzuki, Y. 92, 29
 Srivastava, G. 55, 207
 Sweigart, D.A. 93 No. 1, 1

- Syamal, A. 95 No. 2, 183
 Tabushi, I. 86, 1
 Takata, P.A. 58, 87
 Tamburini, S. 77, 165
 Tamilarasan, R. 77, 1
 Taube, H. 51, 113; 60, 107
 Taylor, K. 64, 113
 Tazuke, S. 97, 81
 Tewari, P.H. 51, 181
 Theophanides, T. 76, 237
 Thomas, N.C. 70, 121; 93, No. 2, 225
 Thornton, D.A. 55, 113
 Tikhonova, L.P. 63, 241
 Tiripicchio, A. 65, 219
 Toftlund, H. 94, 67
 Tondreau, G.A. 93, No. 1, 1
 Torre, L.P. 77, 89
 Toscano, P.J. 63, 1
 Truesdell, K.A. 64, 41
 Turp, J.E. 52, 241, 249; 71, 389; 73, 1; 80, 157, 173
 Turp, N. 72, 197; 73, 1; 80, 157, 173
 Tyler, D.R. 63, 217; 97, 119
 Uchida, T. 97, 81
 Ufford, J.R. 57, 301; 58, 87
 Umapathy, P. 95 No. 2, 129
 Ungvary, F. 53, 37
 Usón, R. 70, 1
 van Eldik, R. 93, No. 1, 19; 97, 155
 van Lier, J.E. 77, 275
 Vigato, P.A. 77, 165
 Vogler, A. 64, 159; 97, 285
 von Zelewsky, A. 84, 85
 Vrbancich, J. 64, 21
 Walther, B. 60, 67
 Walther, D. 79, No. 1-2, 135
 Warrens, C.P., 71, 3
 Watanabe, T. 64, 207
 Waters, S.L. 52, 171
 Watts, R.J. 64, 273; 97, 193
 Weatherburn, D.C. 91, 89
 Wedd, A.G. 60, 169
 Wertz, D.W. 64, 65
 Wessner, D. 60, 191
 Wieland, S. 97, 155
 Wilcox, H.K. 51, 181
 Wilkins, P.C. 79, No. 3, 195
 Wilkins, R.G. 79, No. 3, 195
 Williams, R.J.P. 79, No. 3, 175; 100, 573
 Willis, C.J. 88, 133
 Wilmarth, W.K. 51, 125, 141, 155, 181, 209, 225, 243
 Wilson, L.J. 77, 89
 Winkler, J.R. 97, 23
 Woollins, J.D. 65, 115
 Woode, K.A. 59, 141
 Yam, V.W.-W. 97, 93
 Yano, S. 92, 113
 Yasufuka, K. 64, 1
 Yasufuku, K. 97, 167
 Yatsimirskii, K.B. 63, 241
 Yeretsian, L. 58, 87

Yesaka, H. 64, 1
Young, C.G. 96, 89
Zamaraev, K.I. 61, 185
Zanello, P. 77, 165; 83, 199; 87, 1
Zemel, H. 64, 125
Zink, J.I. 64, 93
Zipp, A.P. 84, 47
Zuleta, J.A. 97, 47



COORDINATION CHEMISTRY REVIEWS

CUMULATIVE SUBJECT INDEX

VOLUMES 51-100



- $A_2[FeX_5(H_2O)]$ series of antiferromagnets, 65, 141
- Acetylacetonato complexes of trivalent metal ions in solution, reactivity and reaction mechanism of, 100, 427
- Acids and bases, hard and soft - the evolution of a chemical concept, 100, 403
- Actinides and lanthanides, complexes of groups 3,4, containing neutral phosphorus donor ligands, 99, 137
- Affinity labeling, of electron transfer proteins by transition metal coordination. Structure-reactivity studies of blue copper proteins, 94, 17
- Ag(II) as an oxidant, mechanistic aspects of reactions involving, 54, 131
- Alcohols, fluorinated, and their metal complexes, 88, 69
- Alkali and alkaline earth cations, comprehensive coordination chemistry of alkali and alkaline earth cations with macrocyclic multidentates: Latest position, 87, 55
- Alkali metals, 56, 1; 66, 1; 75, 1; 85, 1
- Alkaline earth metals, 56, 78; 66, 93; 75, 100; 85, 86
- $\mu(\alpha,\omega)$ -Alkanediyl complexes of transition metals, 60, 171
- Alkane photodehydrogenation, 97, 179
- Alkanes: homogeneous solutions for reactive sp^3 C-H bonds, coordination chemistry with, 74, 101
- Alkoxo derivatives of platinum metals, 66, 101
- Alkyl tin(IV) halide complexes, ligand influence in, 93 No. 2, 185
- Alkylcobalamins with platinum complexes, reactions of, 66, 131
- Alkylcobalt tetracarbonyls and their derivatives, 59, 203
- Aluminum, 56, 150; 66, 153; 75, 166; 85, 156
- Aluminum halides: review of their structural properties and methods of analysis, coordination compounds of, 74, 1
- Amalgams, influence of complex formation and solvation on the electrode reactions of some metal ions at amalgams in aprotic solvents, 88, 203
- Amides, of the platinum metals, 95 No. 1, 1
- Amino acids, peptides and related ligands, complex formation between palladium(II) and, 61, 97

- Amine complexes, photoisomerization of rhodium(III), 64, 343
- Aminopolycarboxylate edta-type and related ligands, optical activity of cobalt(III), chromium(III) and rhodium(III) complexes with, 54, 159
- Anation reactions, of cobalt(III) complexes, 91, 1
- Angular overlap model for the description of the paramagnetic properties of transition metal complexes, the, 60, 131
- Anion radicals, the transition metal coordination chemistry of, 76, 187
- Aniono complexes, in aqueous solutions, problems concerning the determination of small stability constants of, 94, 1
- Antiferromagnets, the $A_2[FeX_5(H_2O)]$ series of, 65, 141
- Antimony, 56, 358; 66, 379; 75, 392; 85, 390
- Aprotic solvents, influence of complex formation and solvation on the electrode reactions of some metal ions at amalgams in aprotic solvents, 86, 203
- Aqueous chemistry of peroxydisulfate ion. VII. The free radical induced chain hydrogenation, 51, 243
- Aromatic Compounds, efficiencies of electron transfer reactions in the quenching of excited rhodium(I) compounds by, 64, 311
- Arsenic, 56, 349; 66, 371; 75, 383; 85, 380
- Arsines and some related ligands, coordination chemistry of organomercury(II) involving phenanthroline, bipyridines, tertiary phosphines, 63, 161
- Artificial P-450 systems, reductive dioxygen activation by use of, 86, 1
- Arylgold chemistry, recent developments in, 70, 1
- Bases and acids, soft and hard - the evolution of a chemical concept, 100, 403
- Basolo, Fred, Interview, 99, 3
- Beta-Dicarbonyl compounds in metal complexes, variety in the coordination modes of, 70, 51
- Biheteroaromatic ligands, N,N'-chelating: a survey, 93 No. 2, 205
- Binuclear d^8 complexes, photochemistry of, 100, 169
- Binuclear iron site in hemerythrin, coordination chemistry of, 79, No. 3, 195
- Biochemistry and chemistry, high pressure (Book Review) 81, 237
- Bioinorganic applications of magnetic circular dichroism spectroscopy: copper,

- rare-earth ions, cobalt and non-heme iron systems, 60, 1
- Bioinorganic chemistry: its conceptual evolution, 100, 573
- Bioinorganic chemistry, missing information in, 79, No. 3, 175
- Bipyridines, tertiary phosphines/arsines and some related ligands, coordination chemistry of organomercury(II) involving phenanthrolines, 63, 161
- Bipyridine; tris (2,2'-bipyridine)cobalt(I), reduction of carbon dioxide, 64, 247
- Bipyridine complexes: $M(bpy)_3$ ($M = Fe, Ru, Os$), $Cr(bpy)_3$, electronic spectroscopy and related compounds, 64, 21
- Bisdiphenylphosphinomethane, in dinuclear complexes, 66, 191
- Bis(fulvalene), photochemistry of electron donor-acceptor complexes of, dicobalt mono- and dications, 64, 273
- Bismuth, 56, 356; 66, 389; 75, 402; 85, 401
- Blue copper proteins, structure-reactivity studies of. Affinity labeling of electron transfer proteins by transition metal coordination, 94, 17
- Boron, 56, 114; 66, 120; 75, 129; 85, 122
- Cadmium and Zinc (Transition Metal Chemistry Review 1981, 1982, 1983, 1984, 1985) 52, 1; 58, 1; 62, 1; 78, 125; 98, 279
- Carbamate complexes, monothio- and monoseleno-, 54, 99
- Carbene complexes, structural consequences of bonding in transition metal, 55, 261
- Carbon, 56, 187; 66, 190; 75, 200; 85, 193
- Carbon dioxide by tris(2,2'-bipyridine)cobalt(I), reduction of, 64, 247
- Carbon dioxide, electrochemical reduction of, mediated by molecular catalysts, 93 No. 2, 245
- Carbon dioxide, homogeneous-catalytic reactions with unsaturated substrates, reversible CO_2 -carriers and transcarboxylation reactions, 79, Nos. 1-2, 135
- Carbonyl and related complexes, a possible mechanism for the reactions of electrophiles with polynuclear transition metal, 51, 41
- Carbonyl complexes, reagent and catalyst induced substitution reactions of metal, 53, 227

- Carbonyl radicals and radical reactions of cobalt carbonyls, cobalt, 53, 37
- Carbonyl dimers, photochemical disproportionation of metal-metal bonded, 63, 217
- Carbonyls under mild conditions, some reactions of ruthenium cluster, 76, 1
- Catalysed aquation of transition metal complexes, metal-ion, 68, 145
- Catalyst induced substitution reactions of metal carbonyl complexes, reagent and, 53, 227
- ^{113}Cd NMR spectroscopy, of coordination compounds and proteins, 86, 43
- C-H Activation, 97, 179
- Chelate effect: the binding of bidentate phosphine and arsine chelates in square-planar transition metal complexes, an investigation of the 55, 31
- Chelate rings, inorganic (carbon-free), 74, 127
- Chelates and lanthanide ions in solution, quenching of excited states by, 99, 55
- Chelating resins and ion exchangers, coordination chemistry of, 59, 1
- Chemistry and Biochemistry, high pressure (Book Review) 81, 237
- Chemotherapy, cancer, organotin compounds and, 95 No. 1, 109
- Chromium (Transition Metal Chemistry Review 1981, 1982, 1983, 1985) 57, 189; 58, 245; 62, 85; 78, 1; 90, 1
- Chromium(0), 97, 155
- Chromium(III), 97, 65, 299
- Chromium(III) and rhodium(III) complexes with aminocarboxylate edta-type and related ligands, optical activity of cobalt(III), 54, 159
- Chromium(III) and other octahedral metal complexes, mechanism of thermal and photochemical ligand substitution reaction of, 94, 109
- Chromium(III) oligomers, hydroxo-bridged. Danish investigations during the last two decades, 94, 47
- Chromium(V) coordination chemistry, 61, 241
- Chromium, molybdenum and tungsten compounds, the nuclear magnetic resonance properties of, 68, 169
- Cisplatin, the chemical and biochemical consequences of the binding of the

antitumour drug cisplatin and other platinum group metal complexes to, 95
No. 2, 129

Classification and analysis of gold compounds on the basis of their X-ray
structural and Mossbauer spectroscopic data, 70, 157

Classification of crystallographic data, mixed valence copper(I)-copper(II):
analysis and, 83, 1

Cluster-centered transitions, 97, 35

Cluster complexes containing opened transition metal polyhedra, 69, 127

Cluster electrochemistry, progress in, 83, 169

Cluster ruthenium carbonyls, reactions under mild conditions, 76, 1

Cobaloximes, organocobalt B₁₂ models: axial ligand effects on the structural
and coordination chemistry of cobaloximes, 63, 1

Cobalt(I), 97, 141

Cobalt(I) complexes, photogeneration and reactions of, 64, 321

Cobalt(II) and nickel(II) thiocyanate systems: a spectrophotometric study,
100, 105

Cobalt(II) catalysts, utilization of O₂ for the specific oxidation of organic
substrates with, 79, No. 3, 321

Cobalt(III), chromium(III) and rhodium(III) complexes with aminopolycarboxylate
edta-type and related ligands, optical activity of, 54, 159

Cobalt(III) complexes, anation reactions of, 91, 1

Cobalt carbonyl radicals and radical reactions of cobalt carbonyls, 53, 37

Cobalt carbonyls, cobalt carbonyl radicals and radical reactions of, 53, 37

Cobalt (Transition Metal Chemistry Review 1981, 1982, 1985, 1984) 57, 1; 71,
37; 90, 111; 98, 123

Coenzyme B₁₂-dependent diol dehydratase stereochemical and model studies:
the bound radical mechanism, towards the unification of, 54, 1

Colloidal metal and semiconductor dispersions and photodecomposition of water,
interfacial electron transfer in, 69, 57

Compartmental ligands, synthesis, structure and electrochemical characteriza-
tion of homo- and heterodinuclear copper complexes with, 77, 165

- Complex formation between palladium(II) and amino acids, peptides and related ligands, 61, 97
- Complex multicomponent systems, the determination of thermodynamic equilibria in: potentiometry revisited, 100, 323
- Complexes of ^{99m}Tc , Medical Diagnostic Imaging with, 78, 253
- Complexes of groups 3,4, the lanthanides and the actinides containing neutral phosphorus donor ligands, 99, 137
- Complexes of heterocyclic thione donors, 61, 115
- Complexes-Thiolato of the transition metals, 76, 121
- Composés de coordination des halogénures d'aluminium: mise au point sur leurs propriétés structurales et les méthodes d'analyses, 74, 1
- Cooperative optical effects in solid state coordination chemistry, 100, 155
- Coordination and inclusion chemistry, including the coordination template effect, structural analysis of the factors associated with molecular organization in. Molecular organization, portal to supramolecular chemistry, 100, 119
- Coordination and redox chemistry of some macromolecular systems, 53, 55
- Coordination chemistry, comprehensive, of alkali and alkaline earth cations with macrocyclic multidentates: latest position, 87, 1
- Coordination chemistry in linear thermodynamic function relationships, 79, No. 3, 257
- Coordination chemistry in two dimensions: chemically modified electrodes, 86, 135
- Coordination chemistry of chelating resins and ion exchangers, 59, 1
- Coordination chemistry of halocarbons, 99, 89
- Coordination chemistry of organomercury(II) involving phenanthrolines, bipyridines, tertiary phosphines/arsines and some related ligands, 63, 161
- Coordination chemistry of platinum anticancer drugs and related compounds with DNA, 100, 293
- Coordination chemistry of secondary phosphine chalcogenides and their conjugate bases, 60, 67

- Coordination chemistry with alkanes: homogeneous solutions for reactive sp^3 C-H bonds, 74, 101
- Coordination compounds containing sugars and their derivatives, 92, 113
- Coordination compounds, some special aspects of the stereochemistry of, 100, 1
- Copper(I), 97, 35
- Copper(I)-copper(II) compounds, mixed-valence, analysis and classification of crystallographic data, 83, 1
- Copper(II) complexes, with N,N'-bis(alkylaminoalkyl)oxamides and related ligands, 92, 85
- Copper complexes, exciplex quenching of photo-excited, 84, 83
- Copper complexes with compartmental ligands, synthesis, structure and electrochemical characterization of homo- and heterodinuclear, 77, 165
- Copper-molybdenum antagonism, synthetic aspects of Cu-Mo-S systems and their possible relevance to 59, 239
- Copper and silver, in their higher oxidation states, the chemistry of, 76, 45
- Copper (Transition Metal Chemistry Review 1981, 1982) 52, 87; 58, 169
- Crowded molecules, ligand interactions in, 79, No. 3, 229
- Crystal field aspects of the vibrational spectra of metal complexes, 55, 113
- Crystallographic data, titanium organometallic compounds: analysis and classification, 74, 53
- Cu_2Zn_2SOD , spectroscopic studies on, a continuous advancement on investigation tools, 100, 67
- Cumulative author index, 51, 269
- Cumulative subject index, 51, 285
- Cyclometalated complexes, of 8-methylquinoline and derivatives with the platinum metals, 93 No. 2, 155
- Delocalization and stabilization, mixed-valence molecules: electronic, 60, 107
- Dialkylthiophosphate derivatives of non-transition elements, 55, 207
- Dimanganese and dirhenium decacarbonyls, laser photolysis study on the photosubstitution in, 64, 1
- Dimeric copper(II) complexes, factors affecting the magnetic properties of, 92,

- Dinitrogen activation on transition metal complexes, geometric and electronic factors of, 55, 55
- Dinuclear complexes, bisdiphenylphosphinomethane in, 86, 191
- Diol dehydratase stereochemical and model studies: the bound radical mechanism, towards the unification of coenzyme B₁₂-dependent, 54, 1
- Diolefin donor ligand, organometallic intramolecular-coordination compounds containing a, 51, 1
- Dioxygen adducts of metal chelate compounds, vibrational spectra of, 100, 363
- Dioxygen-iron(II) porphyrins, stability properties of, an overview from simple complexes to myoglobin, 83, 73
- Dipole-forbidden energy transfer process in solution, 64, 293
- Distance dependence of electron transfer rates, 64, 135
- Dithiocarbamates, electrochemistry and redox behaviour of transition metal, 54, 23
- DNA, the chemical and biochemical consequences of the binding of the antitumour drug cisplatin and other platinum group metal complexes to, 95 No. 2, 129
- DNA, platinum anticancer drugs and related compounds with, the coordination chemistry of, 100, 293
- Donor-acceptor complexes of bis(fulvalene) dicobalt mono- and dications, photochemistry of electron, 64, 273
- Dynamic stereochemistry of sulphur and selenium complexes of platinum, NMR studies of the, 96, 1
- Early transition metals, mixed-valence compounds of, 96, 89
- Electrochemical characterization, synthesis and structure of homo- and heterodinuclear copper complexes with compartmental ligands, 77, 165
- Electrochemical reactions, of metal complex catalysis, 99, 15
- Electrochemical reduction, of carbon dioxide mediated by molecular catalysts, 93 No. 2, 245
- Electrochemical studies, of ruthenium compounds. Part I. Ligand oxidation levels, 95 No. 2, 239

- Electrochemistry and redox behaviour of transition metal dithiocarbamates, 54, 23
- Electrochemistry, cluster, progress in, 83, 169
- Electrochemistry of metal-sulfur clusters: stereochemical consequences of thermodynamically characterized redox changes. Part I. Homometal clusters, 83, 199. Part II. Heterometal clusters, 87, 1.
- Electron organometallic complexes, nineteen, 97, 119
- Electron transfer at fixed and known distance within protein complexes, long range, 64, 125
- Electron transfer proteins, affinity labeling of, by transition metal coordination. Structure-reactivity studies of blue copper proteins, 94, 17
- Electron transfer, quantum mechanical effects in inorganic and bioinorganic, 66, 1
- Electron transfer rates, distance dependence of, 64, 135
- Electron transfer reactions in the quenching of excited rhodium(I) compounds by, aromatic compounds, efficiencies of, 64, 311
- Electron-transfer reactions involving simple free radicals, 51, 155
- d-Electrons in transition metal chemistry: a new emphasis, the roles of, 99, 117
- Electronic delocalization and stabilization, mixed-valence molecules, 60, 107
- Electronic and geometric factors of dinitrogen activation on transition metal complexes, 55, 55
- Electronic spectra from preresonance Raman spectra, and excited state bonding changes, calculation of, 64, 93
- Electronic spectroscopy, $M(bpy)_3$ ($M = Fe, Ru, Os$), $Cr(bpy)_3$, electronic spectroscopy and related compounds, 64, 21
- Electronic transitions, sharp line, and metal-ligand angular geometry, 70, 85
- Elements of Group 1 (Main Group Chemistry Review 1982, 1983, 1984, 1985) 56, 1; 66, 1; 75, 1; 85, 1
- Elements of Group 2 (Main Group Chemistry Review 1982, 1983, 1984, 1985) 56,

78; 86, 93; 75, 100; 85, 86

Elements of Group 3 (Main Group Chemistry Review 1982, 1983, 1984, 1985) 56,
113; 66, 119; 75, 128; 85, 121

Elements of Group 4 (Main Group Chemistry Review 1982, 1983, 1984, 1985) 56,
187; 66, 190; 75, 200; 85, 193

Elements of Group 5 (Main Group Chemistry Review 1982, 1983, 1984, 1985) 56,
269; 66, 290; 75, 297; 85, 289

Elements of Group 6 (Main Group Chemistry Review 1982, 1983, 1984, 1985) 56,
390; 66, 412; 75, 423; 85, 424

Energy transfer process in solution, dipole-forbidden, 64, 293

Exchange-coupled, optical spectroscopy of exchange-coupled transition metal
complexes, 88, 69

Exciplex quenching of photo-excited copper complexes, 64, 83

Excited state bonding changes and electronic spectra from preresonance Raman
spectra, calculation of, 64, 93

Excited states, quenching of, by lanthanide ions and chelates in solution,
99, 55

Ferromagnetic interactions in polynuclear metal complexes, intramolecular,
69, 1

Fluorinated alcohols, and their metal complexes, 88, 133

Fourier transform ion cyclotron resonance mass spectrometry, application of, in
coordination chemistry, 93 No. 1, 59

Gallium, 56, 163; 66, 167; 75, 176; 85, 169

Geometric and electronic factors of dinitrogen activation on transition metal
complexes, 55, 55

Germanium, 56, 189; 66, 200; 75, 210, 259; 85, 206

Gold compounds on the basis of their X-ray structural and Mossbauer
spectroscopic data, classification and analysis of, 70, 157

Gold (Transition Metal Chemistry Review 1981) 67, 311

Group 14 element carbene analogues in transition metal chemistry, the role of,
100, 267

- Hafnium and Zirconium, (Transition Metal Chemistry Review 1981, 1982, 1983)
52, 285; 71, 113; 80, 131
- Halocarbons, coordination chemistry of, 99, 89
- Halogens, 56, 448; 66, 488; 75, 505; 85, 504
- Halogens and Hydrogen (Main Group Chemistry Review 1982, 1983, 1984, 1985) 56,
448; 66, 488; 75, 505; 85, 504
- Hard and soft acids and bases - the evolution of a chemical concept, 100, 403
- Heme proteins, comparison of the electronic and vibrational spectra of
complexes of protoporphyrin-IX, hemeoctapeptide, and heme proteins, 84, 1
- Hemeoctapeptide, comparison of the electronic and vibrational spectra of
complexes of protoporphyrin-IX, hemeoctapeptide, and heme proteins, 84, 1
- Hemerythrin, the coordination chemistry of the binuclear iron site in, 79, No.
3, 195
- Hemoproteins, structure and properties of metalloporphyrins and hemoproteins:
the vibronic approach, 88, 1
- Heterobimetallics, early-late, 95 No. 1, 41
- Heterocyclic thione donors, complexes of, 61, 115
- Heterometal clusters, electrochemistry of metal-sulfur clusters: stereo-
chemical consequences of thermodynamically characterized redox changes. Part
II. Heterometal clusters, 87, 1
- High pressure kinetic techniques, application of, to mechanistic studies in
coordination chemistry, 93 No. 1, 19
- Historical development, photochemistry of coordination compounds, 97, 313
- Homogeneous-catalytic reactions of carbon dioxide with unsaturated substrates,
reversible CO₂-carriers and transcarboxylation reactions, 79, Nos. 1-2, 135
- Homogeneous catalysis, platinum carbonyls and their use in, 55, 151
- Homogeneously catalyzed reactions, organoiridium complexes as models for,
83, 93
- Homometal clusters, electrochemistry of metal-sulfur clusters: stereochemical
consequences of thermodynamically characterized redox changes. Part 1, 83, 199
- Host-guest interactions, 97, 209, 225

- Hydrido complexes, polynuclear iridium, 96, 49
- Hydrogenase and its application for photoinduced hydrogen evolution, 68, 53
- Hydrogen, 56, 461; 66, 500; 75, 514; 85, 515
- Hydrogen evolution, hydrogenase and its application for photoinduced, 68, 53
- Hydrolysis of nucleoside 5'-triphosphates (NTPs), metal ion promoted, mechanistic aspects of, 100, 453
- Hydroxo-bridged chromium(III) oligomers. Danish investigations during the last two decades, 94, 47
- Hydroxyoxime complexes, transition metal, 59, 141
- In memoriam: Wayne Keith Wilmarth, 51, 101
- Inclusion and coordination chemistry, including the coordination template effect, structural analysis of the factors associated with molecular organization in. Molecular organization, portal to supramolecular chemistry, 100, 119
- Indium, 56, 168; 66, 171; 75, 180; 85, 173
- Inorganic (carbon-free) chelate rings, 74, 127
- Inorganic Chemistry, nuclear quadrupole resonance in, (Special Issue), 82, 9
- Inorganic Reactions and Methods (Book Review), (Vol. 1), (Vol. 15), 81, 227, 231
- Interfacial electron transfer in colloidal metal and semiconductor dispersions and photodecomposition of water, 69, 57
- Interligand interactions, noncovalent, in metal complexes, 92, 1
- Intervalence excitation, photoredox reactions of mixed-valence compounds induced by, 64, 159
- Interview of Fred Basolo, 99, 3
- Intramolecular-coordination compounds, organometallic, recent studies on, 83, 137
- Intramolecular ferromagnetic interactions in polynuclear metal complexes, 69, 1
- Investigation of the chelate effect: the binding of bidentate phosphine and arsine chelates in square-planar transition metal complexes, 55, 31
- Investigation tools, spectroscopic studies on $\text{Cu}_2\text{Zn}_2\text{SOD}$: a continuous

advancement on, 100, 67

Invited papers presented as part of an international Symposium of the 1984 Chemical Congress of the Pacific Basin Societies on Photochemistry and Photophysics of Metal Complexes: Applications to Solar Energy Conversion, held in Honolulu, HI, U.S.A., 17-19 December 1984, 64

Ion exchangers, coordination chemistry of chelating resins and, 59, 1

Iridium (Transition Metal Chemistry Review 1981, 1983, 1984) 57, 155; 73, 113; 98, 251

Iridium hydrido complexes, polynuclear, 96, 49

Iron (Transition Metal Chemistry Review 1981) 67, 109

Iron(II), 97, 1, 141, 237

Iron(II) complexes, spin equilibria in, 94, 67

Kinetics and mechanism of base aquation of chloroaminebis(dimethylglyoximate)cobalt(III) and chloropyridinebis(dimethylglyoximate)cobalt(III), 51, 225

Kinetics and mechanisms of metalloporphyrin reactions, 61, 55.

Kinetics and mechanisms of the reduction of trans-tetracyanohydroxobromoplatinate(IV) and its protonated form by some inorganic anions, 51, 141

Lamellar solids, 97, 209

Lanthanide and actinides, complexes of groups 3,4, containing neutral phosphorus donor ligands, 99, 137

Lanthanide ions and chelates in solution, quenching of excited states by, 99, 55

Lead, 56, 189; 66, 250; 75, 259,267; 85, 206

Ligand field theory, quantitative formulation of, by the use of orthonormal operators. Exemplification by means of p^2 systems, 94, 181

Ligand field interpretation of metal NMR chemical shifts in octahedral d^6 transition metal complexes, 96, 253

Ligand influence in alkyl tin(IV) halide complexes, 93 No. 2, 185

Ligand interactions in crowded molecules, 79, No. 3, 229

Ligand substitution reactions of metal complexes, retrospective on studies of, 100, 47

- Ligand substitution reactions, thermal and photochemical, mechanism of, of chromium(III) and other octahedral metal complexes, 94, 109
- Ligand to metal charge transfer states, 97, 285
- Light-induced excited spin state trapping (LIESST), 97, 1
- Light-sensitive coordination compounds and possibilities of their spectroscopic sensitization -- an overview, photocatalytic systems with, 61, 1
- Linear thermodynamic function relationships in coordination chemistry, 79, No. 3, 257
- M(bpy)₃ (M = Fe, Ru, Os), Cr(bpy)₃, electron spectroscopy and related compounds, 64, 21
- Macrocyclic complexes, 97, 65
- Macrocyclic ligands, rare earth complexes with neutral, 60, 191
- Macrocyclic multidentates, comprehensive coordination chemistry of alkali and alkaline earth cations with macrocyclic multidentates: Latest position, 87, 55
- Macrocyclic transition metal complexes, bisaxially coordinated, 63, 115
- Macromolecular systems, coordination and redox chemistry of some, 53, 55
- Magnetic circular dichroism spectroscopy: copper, rare-earth ions, cobalt and non-heme irons systems, bioinorganic applications of, 60, 1
- Magnetic properties, of dimeric copper(II) complexes, factors affecting, 92, 45
- Magnetochemistry: a research proposal, 79, No. 3, 215
- Main group metals, photochemistry of, 97, 265
- Manganese (Transition Metal Chemistry Review 1981, 1982, 1983) 52, 183, 71, 3; 72, 197
- Manganese(0), 97, 167
- Manganese(II), 97, 141
- Matrix isolation studies of organometallic intermediates, 55, 1
- Mechanism for the reactions of electrophiles with polynuclear transition metal carbonyl and related complexes, 51, 41
- Mechanistic aspects of reactions involving Ag(II) as an oxidant, 54, 131
- Mechanistic aspects of the metal ion promoted hydrolysis of nucleoside 5'-triphosphates (NTPs), 100, 453

- Mechanistic studies in coordination chemistry, application of high pressure kinetic techniques to, 93 No. 1, 19
- Medical Diagnostic Imaging with Complexes of ^{99m}Tc , 78, 253
- Mercury (Transition Metal Chemistry Review 1981, 1982, 1983) 52, 1; 58, 53; 62, 37
- Metal-carbonyls, η^5 -heterocyclic, 79, No. 3, 279; 97, 119, 141, 155, 167, 271
- Metal-centered transition metal excited states, structure and reactivity of, 77, 1
- Metal chelate compounds, vibrational spectra of dioxygen adducts of, 100, 363
- d¹⁰ Metal complexes, spectroscopic and photochemical properties of, 99, 213
- Metal complex catalysis of electrochemical reactions, 90, 15
- Metal complexes, exchange-coupled transition, optical spectroscopy of, 88, 69
- Metal complexes of uracils, 79, Nos. 1-2, 97
- Metal complexes, photodynamics and electronic structures of, 64, 53
- Metal complexes, retrospective on studies of ligand substitution reactions of metal complexes, 100, 47
- Metal complexes, variety in the coordination modes of Beta-dicarbonyl compounds, 70, 51
- Metal halides, the molecular geometry of, 91, 35
- Metal-ion catalysed aquation of transition metal complexes, 68, 145
- Metal ion promoted hydrolysis of nucleoside 5'-triphosphates (NTPs), mechanistic aspects of, 100, 453
- Metal ions, role of in the hydrolyses of phosphate esters and anhydrides, 79, No. 3, 293
- Metal-ligand angular geometry, sharp line electronic transitions and, 70, 85
- Metal-ligand interactions in heterometallic transition metal clusters, selective, 65, 219
- Metallochlorophylls, photoelectrochemistry of, 64, 207
- Metalloporphyrin reactions, kinetics and mechanisms of, 61, 55
- Metalloporphyrin structure and dynamics from resonance Raman spectroscopy, 100,

- Metalloporphyrins, structure and properties of metalloporphyrins and hemoproteins: the vibronic approach, 88, 1
- Metal NMR chemical shifts, in octahedral d^6 transition metal complexes, ligand field interpretation of, 96, 253
- Metal-sulfur clusters, electrochemistry of, stereochemical consequences of thermodynamically characterized redox changes. Part I. Homometal clusters, 83, 199. Part II. Heterometal clusters, 87, 1
- Metal to ligand charge transfer states, 97, 23, 35, 193, 249, 261, 299
- Metal-urea complexes, structural and spectroscopic properties of, 76, 237
- Metals and Inorganic Sections, structure reports for 1984, Volume 51A (Book Review) 81, 235
- 8-Methylquinoline and derivatives, cyclometalated complexes of, with the platinum metals, 93 No. 2, 155
- Microelectrodes, and variable-temperature techniques, application of, to voltammetric studies in inorganic reaction mechanisms, 93 No. 1, 1
- Mixed-valence compounds, of the early transition metals, 96, 89
- Mixed-valence copper(I)-copper(II) compounds: analysis and classification of crystallographic data, 83, 1
- Mixed-valence molecules: electronic delocalization and stabilization, 60, 107
- Modified electrodes, coordination chemistry in two dimensions: chemically, 86, 135
- Molecular catalysts, electrochemical reduction of carbon dioxide mediated by, 93 No. 2, 245
- Molecular mechanics calculations in coordination chemistry, 53, 1
- Molecular organization, portal to supramolecular chemistry. Structural analysis of the factors associated with molecular organization in coordination and inclusion chemistry, including the coordination template effect, 100, 119
- Molecular properties, understanding (Book Review) 81, 239
- Molecular structures and pseudo-Jahn-Teller couplings, some remarks on, 100, 29
- Molybdenum(0), 97, 155, 271

- Molybdenum(I), 97, 119
- Molybdenum(IV), 97, 237
- Molybdenum (Transition Metal Chemistry Review 1981, 1982) 81, 1, 101
- Molybdenum, the biologically relevant oxygen atom transfer chemistry of, from synthetic analogue systems to enzymes, 100, 183
- Molybdenum and Tungsten (Transition Metal Chemistry Review 1983, 1984, 1985) 62, 145; 78, 39; 90, 29
- Molybdenum and Tungsten compounds, the nuclear magnetic resonance properties of chromium, 68, 169
- Molybdenum blues, structural and electronic properties of some polymolybdates reducible to, 65, 167
- Molybdenum chemistry, analysis of oligonuclear structures, seven coordination in, 65, 49
- Molybdenum, coordination chemistry of Schiff base complexes of, 95 No. 2, 183
- Molybdenum porphyrins, and niobium porphyrins, redox chemistry of, 92, 157
- Monothio- and monoseleno-carbamate complexes, 54, 99
- Mossbauer spectroscopic data, classification and analysis of gold compounds on the basis of their X-ray structural and, 70, 157
- Myoglobin, stability properties of dioxygen-iron(II) porphyrins: an overview from simple complexes to, 83, 73
- N,N'-Bis(alkylaminoalkyl)oxamides, and related ligands, copper(II) complexes with, 92, 85
- N,N'-Chelating biheteroaromatic ligands; a survey, 93 No. 2, 205
- Neutral metal complexes, outer-sphere coordination of organic molecules to electrically, 61, 185
- Nickel (Transition Metal Chemistry Review 1981, 1983, 1984) 71, 139; 80, 1; 98, 1
- Nickel(II) and cobalt(II) thiocyanate systems: a spectrophotometric study, 100, 105
- Niobium and tantalum (Transition Metal Chemistry Review 1981) 57, 279
- Niobium porphyrins, and molybdenum porphyrins, redox chemistry of, 92, 157

- Nitrogen, 56, 270; 66, 291; 75, 298; 85, 290
- Nitrosyls in organic synthesis and in pollution control, transition metal, 51, 69
- Noble gases, 56, 471; 66, 504; 75, 522; 85, 523
- Noble gases (Main Group Chemistry Review 1982, 1983, 1984, 1985) 56, 471; 66, 504; 75, 522; 85, 523
- Nuclear magnetic resonance properties of chromium, molybdenum and tungsten compounds, the 68, 169
- Nuclear quadrupole resonance in Inorganic Chemistry (Special Issue), 82, 9
- Nucleoside 5'-triphosphates (NTPs), mechanistic aspects of the metal ion promoted hydrolysis of, 100, 453
- Obituary, Dr. T.A. Stephenson, 71, 1
- Octahedral d^6 transition metal complexes, ligand field interpretation of metal NMR chemical shifts in, 96, 253
- Oligonuclear structures, seven coordination of molybdenum chemistry: analysis of, 65, 49
- Optical activity of cobalt(III), chromium(III) and rhodium(III) complexes with aminopolycarboxylate edta-type and related ligands, 54, 159
- Optical spectroscopy, of exchange-coupled transition metal complexes, 88, 69
- Organocobalt B_{12} models: axial ligand effects on the structural and coordination chemistry of cobaloximes, 63, 1
- Organoiridium complexes as models for homogeneously catalyzed reactions, 83, 93
- Organomercury(II) involving phenanthrolines, bipyridines, tertiary phosphines/arsines and some related ligands, coordination chemistry of, 63, 161
- Organometallic intermediates, matrix isolation studies of, 55, 1
- Organometallic intramolecular-coordination compounds containing a pi-allyl donor ligand, 53, 261
- Organometallic intramolecular-coordination compounds, recent studies on, 83, 137
- Organometallic intramolecular-coordination compounds containing a diolefin

donor ligand, 51, 1

Organometallic photochemistry, ab initio calculations, 97, 141

Organotin compounds, and cancer chemotherapy, 95 No. 1, 109

Organo-Zirconium and -Hafnium compounds, chemistry of (Book Review) 81, 233

Orthonormal operators, quantitative formulation of ligand field theory, by use of. Exemplification by means of p^d systems, 94, 181

Oscillating chemical reactions, transition metal coordination compounds in, 63, 241

Osmium (Transition Metal Chemistry Review 1981) 67, 243

Osmium(II), 97, 237

Osmium(IV), 97, 93

Osmium and ruthenium complexes containing cyclopentadienyl and related haptodienyl ligands, 79, Nos. 1-2, 1

Osmium carbonyl halides, substituted, 93 No. 2, 225

Outer-sphere coordination of organic molecules to electrically neutral metal complexes, 61, 185

Oxygen, 56, 391; 66, 413; 75, 424; 85, 425

Oxygen adducts, low valent metalloporphyrins, and related systems with sulfur and selenium, recent developments in the studies of titanium and vanadium porphyrins with special emphasis on, 65, 87

Oxygen atom transfer chemistry of molybdenum, the biologically relevant, from synthetic analogue systems to enzymes, 100, 183

Palladium(II) and amino acids, peptides and related ligands, complex formation between, 61, 97

Palladium and Platinum (Transition Metal Chemistry Review 1981, 1982, 1983, 1984) 67, 1; 71, 235; 72, 1; 80, 1

Paramagnetic properties of transition metal complexes, the angular overlap model for the description of the, 60, 131

Pentadentate macrocyclic ligands, complexes of, 91, 89

Peptides and related ligands, complex formation between palladium(II) and amino acids, 61, 97

- Peroxydisulfate ion. VII. The free radical induced chain hydrogenation, the aqueous chemistry of, 51, 243
- Phenanthrolines, bipyridines, tertiary phosphines/arsines and some related ligands, coordination chemistry of organomercury(II) involving, 63, 161
- Phosphate esters and anhydrides: role of metal ions in the hydrolysis of, 79, No. 3, 293
- Phosphine chalcogenides and their conjugate bases, the coordination chemistry of secondary, 60, 67
- Phosphines/arsines and some related ligands, coordination chemistry of organomercury(II) involving phenanthrolines, bipyridines, tertiary, 63, 161
- Phosphorus, 56, 291; 66, 318; 85, 312
- Photocatalytic systems with light-sensitive coordination compounds and possibilities of their spectroscopic sensitization -- an overview, 61, 1
- Photochemical and Spectroscopic properties of d^{10} metal complexes, 99, 213
- Photochemical disproportionation of metal-metal bonded carbonyl dimers, 63, 217
- Photochemistry; exciplex quenching of photo-excited copper complexes, 64, 83
- Photochemistry and Photophysics of Metal Complexes, 1984 Chemical Congress of the Pacific Basin Societies, invited papers presented as part of an International Symposium: Applications to Solar Energy Conversion, held in Honolulu, HI, U.S.A., 17-19 December 1984, 64
- Photochemistry and Photophysics of Coordination Compounds, a collection of papers presented at the 8th International Symposium held in Santa Barbara, CA, U.S.A., 13-17 August 1989, 97
- Photochemistry of binuclear d^8 complexes, 100, 169
- Photodynamics and electronic structures of metal complexes, 64, 53
- Photoinduced hydrogen evolution, hydrogenase and its application for, 66, 53
- Photoisomerization, of rhodium(III) amine complexes. The deduction of an excited state reaction mechanism, 94, 151
- Photoredox reactions, 97, 93, 105, 237, 285
- Photoredox reactions of mixed-valence compounds induced by intervalence excitation, 64, 159

- Photoselection spectroscopy, 97, 261
- Pi-Allyl donor ligand, organometallic intramolecular-coordination compounds containing a, 53, 259
- Picosecond spectroscopy, of transition metal complexes, 93 No. 1, 87
- Pillared clays, 97, 237
- Platinum anticancer drugs and related compounds with DNA, The coordination chemistry of, 100, 293
- Platinum(II), 97, 47, 81, 193
- Platinum (III), preparation and properties of compounds containing Pt(III), 65, 115
- Platinum and Palladium (Transition Metal Chemistry Review 1981, 1982, 1983, 1984) 67, 1; 71, 235; 72, 1; 89, 1
- Platinum carbonyls and their use in homogeneous catalysis, 55, 151
- Platinum complexes, reactions of alkylcobalamins, 68, 131
- Platinum group metal complexes, the chemical and biochemical consequences of the binding of the antitumour drug cisplatin and other, to DNA, 95, No. 2, 129
- Platinum metals, alkoxo derivatives of, 68, 101
- Platinum metals, amides of the, 95 No. 1, 1
- Platinum metals, cyclometalated complexes of 8-methylquinoline and derivatives with, 93 No. 2, 155
- Platinum, NMR studies of the dynamic stereochemistry of sulphur and selenium complexes of, 96, 1
- Polyhydride complexes, transition-metal, 65, 1
- Polymers and proteins, long distance electron transfer in, 64, 113
- Polymetallic complexes, 97, 249, 299, 313
- Polymetallic complexes, intramolecular energy transfer in, 64, 261
- Polymolybdates reducible to molybdenum blues, structural and electronic properties of some, 65, 167
- Polynuclear iridium hydrido complexes, 96, 49
- Polynuclear metal complexes, intramolecular ferromagnetic interactions in, 69, 1

- Polypyridine complexes, Ru(II) polypyridine complexes: photophysics, photochemistry, electrochemistry, and chemiluminescence, 84, 85
- Porphyrins with special emphasis on oxygen adducts, low valent metalloporphyrins, and related systems with sulfur and selenium, recent developments in the studies of titanium and vanadium, 65, 87
- Porphorins, dioxygen-iron(II), stability properties of: an overview from simple complexes to myoglobin, 83, 73
- Possible mechanism for the reactions of electrophiles with polynuclear transition metal carbonyl and related complexes, 51, 41
- Potential Medical Applications of Ruthenium Isotopes (Transition Metal Chemistry Review 1981) 52, 171
- Potentially heptadentate ligand with a series of 3d transition metal ions, variable coordination chemistry of. The chemistry and structure of $[M(\text{py}_3\text{tren})]^{2+}$ where $M(\text{II}) = \text{Mn}, \text{Fe}, \text{Co}, \text{Ni}, \text{Cu}, \text{and Zn}$ and $(\text{py}_3\text{tren} = \text{N}(\text{CH}_2\text{CH}_2\text{N} = \text{C}(\text{H})(\text{C}_5\text{H}_4\text{N})_3)$, 77, 89
- Potentiometry revisited: the determination of thermodynamic equilibria in complex multicomponent systems, 100, 323
- Preparation and properties of compounds containing Pt(III), 65, 115
- Preresonance Raman spectra, calculation of excited state bonding changes and electronic spectra from, 64, 93
- Pressure, effects on emission spectra and on photochemistry, 97, 81, 155
- Pressure effects on the photochemical reactions of transition metal complexes, 64, 361
- Protein complexes, long range electron transfer at fixed and known distance within, 64, 125
- Proteins, ^{113}Cd NMR spectroscopy of coordination compounds and, 86, 43
- Proteins, long distance electron transfer in polymers and, 64, 113
- Protoporphyrin-IX, comparison of the electronic and vibrational spectra of complexes of protoporphyrin-IX, hemeoctapeptide, and heme proteins, 84, 1
- Pseudo-Jahn-Teller couplings and molecular structures, some remarks on, 100, 29
- Pt(III), the preparation and properties of compounds containing, 65, 115

- [Pt(CN)₄(OH)Br]²⁻ oxidation of [S₂O₃]²⁻ and [S₄O₆]²⁻, 51, 125
- Quadruply bonded metal-metal complexes, 97, 105
- Quantum mechanical effects in inorganic and bioinorganic electron transfer, 68, 1
- Raman spectra, preresonance, excited state bonding changes and electronic spectra from, calculation of, 64, 93
- Rare earth carboxylates, in dimeric and polymeric forms, structure of, 92, 29
- Rare earth complexes with neutral macrocyclic ligands, 60, 191
- Reactions of alkylcobalamins with platinum complexes, 60, 131
- Reactivity and reaction mechanism of acetylacetonato complexes of trivalent metal ions in solution, 100, 427
- Reagent and catalyst induced substitution reactions of metal carbonyl complexes, 53, 227
- Recent developments in arylgold chemistry, 70, 1
- Recent developments in the studies of titanium and vanadium porphyrins with a special emphasis on oxygen adducts, low valent metalloporphyrins, and related systems with sulfur and selenium, 65, 87
- Redox behaviour and electrochemistry of transition metal dithiocarbamates, 54, 23
- Redox changes, electrochemistry of metal-sulfur clusters: stereochemical consequences of thermodynamically characterized redox changes Part I. Homometal clusters, 83, 199. Part II. Heterometal clusters, 87, 1
- Redox chemistry, of niobium and molybdenum porphyrins, 92, 157
- Redox chemistry of some macromolecular systems coordination and, 53, 55
- Redox orbitals, spatially isolated, an update, 54, 65
- Reductive dioxygen activation, by use of artificial P-450 systems, 86, 1
- Resonance Raman spectroscopy, metalloporphyrin structure and dynamics from, 100, 541
- Rhenium (Transition Metal Chemistry Review 1981, 1982, 1983) 52, 249; 73, 1; 80, 173
- Rhenium carbonyl clusters: synthesis, structure, reactivity, 93 No. 2, 269

- Rhodium (Transition Metal Chemistry Review 1981, 1983, 1984) 57, 75; 73, 59; 89, 257
- Rhodium(I), 97, 179
- Rhodium(I) compounds by aromatic compounds, efficiencies of electron transfer reactions in the quenching of excited, 64, 311
- Rhodium(III), 97, 249
- Rhodium(III) amine complexes, photoisomerization of, 64, 343
- Rhodium(III) amine complexes, photoisomerization of. The deduction of an excited state reaction mechanism, 94, 151
- Rhodium(III) complexes with aminopolycarboxylate edta-type and related ligands, optical activity of cobalt(III), chromium(III) and, 54, 159
- Ru(II) polypyridine complexes, Ru(II) polypyridine complexes: photophysics, photochemistry, electrochemistry, and chemiluminescence, 84, 85
- [Ru(bpy)₃]²⁺/methyl viologen/ EDTA photochemical system. solution medium control of the, 64, 175
- Ruthenium(II), 97, 23, 81, 237, 249, 261, 271, 299
- Ruthenium and osmium complexes containing cyclopentadienyl and related haptodienyl ligands, 70, Nos. 1-2, 1
- Ruthenium carbonyl halides, substituted, 70, 121
- Ruthenium cluster carbonyls under mild conditions, some reactions of, 76, 1
- Ruthenium compounds, electrochemical studies of. Part I. Ligand oxidation levels, 95 No. 2, 239
- Ruthenium, medical, 52, (1983) 171
- Ruthenium (Transition Metal Chemistry Review 1981) 67, 171
- Scandium (Transition Metal Chemistry Review 1981, 1983, 1982) 57, 229; 62, 131; 71, 383
- Schiff base complexes, of molybdenum, coordination chemistry of, 95, No. 2, 163
- Scientific publications of Professor Wayne K. Wilmarth, 51, 105
- Selective metal-ligand interactions in heterometallic transition metal clusters, 65, 219
- Selenides and tellurides, soluble, 100, 223

- Selenium, 56, 427; 66, 461; 75, 475; 85, 479
- Selenium, recent developments in the studies of titanium and vanadium porphyrins with a special emphasis on oxygen adducts, low valent metalloporphyrins, and related systems with sulfur and, 65, 87
- Semicarbazones and thiosemicarbazones, transition metal complexes of, 63, 127
- Semiconductor dispersions and photodecomposition of water, interfacial electron transfer in colloidal metal and, 60, 57
- Semiconductors with transition metal complexes - a route to the photoassisted cleavage of water, photosensitization of, 64, 225
- Seven coordination in molybdenum chemistry: analysis of oligonuclear structures, 65, 49
- Sharp line electronic transitions and metal-ligand angular geometry, 70, 85
- Silicon, 56, 189; 66, 200; 75, 210; 85, 206
- Silver (Transition Metal Chemistry Review 1981) 67, 297
- Silver and copper, in their higher oxidation states, the chemistry of, 76, 45
- Small stability constants, of anionic complexes in aqueous solutions, problems concerning the determination of, 94, 1
- Soft and hard acids and bases - the evolution of a chemical concept, 100, 403
- Solid state coordination chemistry, cooperative optical effects, 100, 155
- Solution medium control of the $[\text{Ru}(\text{bpy})_3]^{2+}$ /methyl viologen/EDTA photochemical system, 64, 175
- Solvent reorganization, energetics and dynamics of, 97, 23
- Solventochromism, 97, 47, 271
- Spatially isolated redox orbitals - an update, 64, 65
- Specific oxidation of organic substrates with cobalt(II) catalysts, utilization of O_2 for the, 79, No. 3, 321
- Spectrophotometric study, The cobalt(II) and nickel(II) thiocyanate systems, 100, 105
- Spectroscopic and photochemical properties of d^{10} metal complexes, 99, 213
- Spectroscopic and structural properties of metal-urea complexes, 76, 237
- Spectroscopic data, Mossbauer and X-ray structure, classification and

- analysis of gold compounds on the basis of, 70, 157
- Spectroscopic sensitization, light-sensitive coordination compounds and possibilities -- an overview, photocatalytic systems with, 61, 1
- Spectroscopic studies on $\text{Cu}_2\text{Zn}_2\text{SOD}$: a continuous advancement on investigation tools, 100, 67
- Spin equilibria, in iron(II) complexes, 94, 67
- Spin equilibrium systems, static and dynamic effects in, 86, 245
- Spin labels, interaction of, with transition metals. Part 2. 83, 29
- Square-planar transition metal complexes, an investigation of the chelate effect: the binding of bidentate phosphine and arsine chelates in, 55, 31
- Stephenson, T.A. Dr., - Obituary, 71, 1
- Stereochemistry of coordination compounds, some special aspects of, 100, 1
- Structural analysis of the factors associated with molecular organization in coordination and inclusion chemistry, including the coordination template effect. Molecular organization, portal to supramolecular chemistry, 100, 119
- Structural and electronic properties of some polymolybdates reducible to molybdenum blues, 65, 167
- Structural consequences of bonding in transition metal carbene complexes, 55, 261
- Structural and spectroscopic properties of metal-urea complexes, 76, 237
- Structural data of technetium compounds, analyses of, 77, 275
- Structure Reports for 1984. Volume 51A: Metals and Inorganic Sections, (Book Review) 81, 235
- Substituted ruthenium carbonyl halides, 70, 121
- Substitution reactions of $\text{trans}[-\text{Co}(\text{CN})_4(\text{SO}_3)(\text{OH}_2)]^{3-}$. II. The rate of substitution of coordinated water by ammonia, pyridine, azido, thiocyanato, and sulfito ligands and the rate of aquation of $\text{trans}[-\text{Co}(\text{CN})_4(\text{SO}_3)\text{NH}_3]^{3-}$ and $\text{trans-Co}(\text{CN})_4(\text{SO}_3)\text{py}^{3-}$, 51, 181
- Substitution reactions of $\text{trans}[-\text{Co}(\text{CN})_4(\text{SO}_3)(\text{OH}_2)]^{3-}$. III. The rate of substitution of coordinated water by 4-methylpyridine, 4-acetylpyridine, I^- , NO_2^- , CH_3NH_2 , HSO_3^- and $\text{S}_2\text{O}_3^{2-}$, 51, 209

- Sulphur, 56, 394; 66, 416; 75, 427; 85, 429
- Sulfur and selenium, recent developments in the studies of titanium and vanadium porphyrins with a special emphasis on oxygen adducts, low valent metalloporphyrins, and related systems with, 65, 87
- Synthetic aspects of Cu-Mo-S systems and their possible relevance to copper-molybdenum antagonism, 59, 239
- Tantalum and Niobium (Transition Metal Chemistry Review 1981) 57, 279
- Technetium, medical, (1987), 78, 253
- Technetium (Transition Metal Chemistry Review 1981, 1982, 1983) 52, 241; 71, 389; 80, 157
- Technetium compounds, analyses of structural data of, 77, 275
- Tellurides and selenides, soluble, 100, 223
- Tellurium, 56, 432; 66, 469; 75, 485; 85, 485
- Tervalent metal ions in solution, reactivity and reaction mechanism of acetylacetonato complexes of, 100, 427
- Tetracarbonyls and their derivatives, alkylcobalt, 59, 203
- Tetra- μ -pyrophosphito-di-platinum(II) ion $\text{Pt}_2(\text{P}_2\text{O}_5\text{H}_2)_4^{4-}$, the behaviour of the tetra- μ -pyrophosphito-di-platinum(II) ion $\text{Pt}_2(\text{P}_2\text{O}_5\text{H}_2)_4^{4-}$ and related species, 84, 47
- Thallium, 75, 183
- Thermodynamic equilibria, the determination of, in complex multicomponent systems: potentiometry revisited, 100, 323
- Thiolato-complexes of the transition metals, 76, 121
- Tin, 56, 189; 66, 250; 75, 259, 267; 85, 206
- Titanium and vanadium porphyrins with a special emphasis on oxygen adducts, low valent metalloporphyrins, and related systems with sulfur and selenium, recent developments in the studies of, 65, 87
- Titanium organometallic compounds: analysis and classification of crystallographic data, 74, 53
- Titanium (Transition Metal Chemistry Review 1981, 1982, 1983, 1984, 1985) 57, 301; 58, 87; 73, 175; 78, 147; 90, 243

- Thiocyanate systems, cobalt(II) and nickel(II), a spectrophotometric study, 100, 105
- Thiosemicarbazones, transition metal complexes of semicarbazones and, 63, 127
- Thallium, 56, 171; 66, 173; 85, 176
- Thione donors, complexes of heterocyclic, 61, 115
- Towards the unification of coenzyme B₁₂-dependent diol dehydratase stereochemical and model studies: the bound radical mechanism, 54, 1
- Transition metal carbene complexes, structural consequences of bonding in, 55, 261
- Transition metal chemistry, a new emphasis on the roles of d electrons, 99, 117
- Transition metal chemistry, the role of group 14 element carbene analogues in, 100, 267
- Transition metal clusters, selective metal-ligand interactions in heterometallic, 65, 219
- Transition metal complexes, geometric and electronic factors of dinitrogen activation on, 55, 55
- Transition metal complexes, metal-ion catalysed aquation of, 68, 145
- Transition metal complexes of semicarbazones and thiosemicarbazones, 63, 127
- Transition metal complexes, photosensitization of semiconductors with, - a route to the photoassisted cleavage of water, 64, 225
- Transition metal complexes, picosecond spectroscopy of, 93 No. 1, 87
- Transition metal complexes, pressure effects on the photochemical reactions of, 64, 361
- Transition metal complexes, spectroscopic properties of (nd)¹⁰, 64, 41
- Transition metal complexes, the angular overlap model for the description of the paramagnetic properties of, 60, 131
- Transition metal complexes, X-ray diffraction and the charge distribution in, 65, 285
- Transition metal coordination chemistry of anion radicals, 76, 187
- Transition metal coordination compounds in oscillating chemical reactions, 63, 241

Transition metal dithiocarbamates, electrochemistry and redox behaviour of, 54, 23

Transition metal excited states, structure and reactivity of the metal-centred, 77, 1

Transition metal hydroxyoxime complexes, 59, 141

Transition metal nitrosyls in organic synthesis and in pollution control, 51, 69

Transition metal-organic systems, photochemistry of, 64, 191

Transition metal polyhedra, cluster complexes containing opened, 69, 127

Transition-metal polyhydride complexes, 65, 1

Transition-metals, interaction of spin labels with. Part 2. 83, 29

Transition-metals, thiolato-complexes of the, 78, 121

3d Transition metal ions, the variable coordination chemistry of a potentially heptadentate ligand with a series of. The chemistry structures of $[M(\text{py}_3\text{tren})]^{2+}$ where $M(\text{II}) = \text{Mn, Fe, Co, Ni, Cu, and Zn}$ and $(\text{py}_3\text{tren}) = \text{N}(\text{CH}_2\text{CH}_2\text{N} = \text{C}(\text{H})(\text{C}_5\text{H}_4\text{N})_3$, 77, 89

Tridentate macrocyclic ligands, complexes of, 91, 89

Trimethylamine N-oxide -- a versatile reagent for organometallic chemistry, 60, 225

Tris(2,2'-bipyridine)cobalt(I), reduction of carbon dioxide by, 64, 247

Tungsten(0), 97, 155, 271

Tungsten (Transition Metal Chemistry Review 1981, 1982) 80, 225; 81, 51

Tungsten and Molybdenum (Transition Metal Chemistry Review 1983, 1984, 1985) 62, 145; 78, 39; 90, 29

Tungsten compounds, the nuclear magnetic resonance properties of chromium, molybdenum and, 68, 169

Uracils, metal complexes of, 79, Nos. 1-2, 97

Uranium(VI), 97, 209

Vanadium porphyrins with a special emphasis on oxygen adducts, low valent metalloporphyrins, and related systems with sulfur and selenium, recent developments in the studies of titanium and, 65, 87

- Vanadium (Transition Metal Chemistry Review 1981, 1982) 57, 237; 81, 173
- Variable coordination chemistry of a potentially heptadentate ligand with a series of 3d transition metal ions. The chemistry and structure of $[M(\text{py}_3\text{tren})]^{2+}$ where $M(\text{II}) = \text{Mn, Fe, Co, Ni, Cu, and Zn}$ and $(\text{py}_3\text{tren}) = \text{N}(\text{CH}_2\text{CH}_2\text{N} = \text{C}(\text{H})(\text{C}_5\text{H}_4\text{N})_3$, 77, 89
- Variable-temperature techniques, application of microelectrodes and, to voltammetric studies of inorganic reaction mechanisms, 93 No. 1, 1
- Variety in the coordination modes of Beta-dicarbonyl compounds in metal complexes, 70, 51
- Vibrational spectra of dioxygen adducts of metal chelate compounds, 100, 363
- Voltammetric studies, of inorganic reaction mechanisms, application of microelectrodes and variable-temperature techniques to, 93 No. 1, 1
- Water, interfacial electron transfer in colloidal metal and semiconductor dispersions and photodecomposition of, 69, 57
- Water, photosensitization of semiconductors with transition metal complexes - a route to the photoassisted cleavage of, 64, 225
- Wilmarth, Wayne Colleague, 51, 111
- Wilmarth, W.K. Chemist, 51, 113
- X-Ray diffraction and the charge distribution in transition metal complexes, 65, 285
- X-Ray structural and Mossbauer spectroscopic data, classification and analysis of gold compounds on the basis of their, 70, 157
- Zeolites, 97, 225, 237
- Zinc and Cadmium (Transition Metal Chemistry Review 1981, 1982, 1983, 1984, 1985) 52, 1; 58, 1; 62, 1; 78, 125; 98, 279
- Zirconium and Hafnium (Transition Metal Chemistry Review 1981, 1982, 1983) 52, 285; 71, 113; 80, 131

